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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/525,714	12/08/2005	Yuji Segawa	09812.0373	5948
	7590 10/20/200 ENDERSON, FARAB	EXAMINER		
LLP	ŕ	BHAT, NARAYAN KAMESHWAR		
901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413			ART UNIT	PAPER NUMBER
			1634	
			MAIL DATE	DELIVERY MODE
			10/20/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)	
10/525,714	SEGAWA ET AL.	
Examiner	Art Unit	

	NARAYAN K. BHAT	1634	
The MAILING DATE of this communication appe	ars on the cover sheet with the	correspondence add	ress
THE REPLY FILED <u>29 September 2008</u> FAILS TO PLACE THIS	S APPLICATION IN CONDITION F	FOR ALLOWANCE.	
1. The reply was filed after a final rejection, but prior to or on application, applicant must timely file one of the following application in condition for allowance; (2) a Notice of Apperior Continued Examination (RCE) in compliance with 37 C periods:	replies: (1) an amendment, affidavi eal (with appeal fee) in compliance	t, or other evidence, w with 37 CFR 41.31; or	hich places the (3) a Request
a) The period for reply expires 3 months from the mailing date b) The period for reply expires on: (1) the mailing date of this Ar no event, however, will the statutory period for reply expire la Examiner Note: If box 1 is checked, check either box (a) or (I MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f Extensions of time may be obtained under 37 CFR 1.136(a). The date of	dvisory Action, or (2) the date set forth ater than SIX MONTHS from the mailing b). ONLY CHECK BOX (b) WHEN THE	g date of the final rejection FIRST REPLY WAS FII	on. LED WITHIN TWO
have been filed is the date for purposes of determining the period of extunder 37 CFR 1.17(a) is calculated from: (1) the expiration date of the set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patent term adjustment. See 37 CFR 1.704(b). NOTICE OF APPEAL	ension and the corresponding amount hortened statutory period for reply origi than three months after the mailing dat	of the fee. The appropria nally set in the final Office	ate extension fee e action; or (2) as
 The Notice of Appeal was filed on A brief in completing the Notice of Appeal (37 CFR 41.37(a)), or any exter Notice of Appeal has been filed, any reply must be filed with AMENDMENTS 	nsion thereof (37 CFR 41.37(e)), to	avoid dismissal of the	s of the date of e appeal. Since a
3. The proposed amendment(s) filed after a final rejection, be (a) They raise new issues that would require further core (b) They raise the issue of new matter (see NOTE below (c) They are not deemed to place the application in bett appeal; and/or	nsideration and/or search (see NO¯ w);	ΓE below);	
(d) They present additional claims without canceling a converse NOTE: (See 37 CFR 1.116 and 41.33(a)).	corresponding number of finally reje	ected claims.	
4. The amendments are not in compliance with 37 CFR 1.12. Applicant's reply has overcome the following rejection(s):			
 6. Newly proposed or amended claim(s) would be all non-allowable claim(s). 7. For purposes of appeal, the proposed amendment(s): a) 	•	•	-
how the new or amended claims would be rejected is prov The status of the claim(s) is (or will be) as follows: Claim(s) allowed: None. Claim(s) objected to: Claim(s) rejected: 3-21 and 24-30. Claim(s) withdrawn from consideration: 22,23 and 31. AFFIDAVIT OR OTHER EVIDENCE	⊠ will not be efficied, of b) □ will will will will will be below or appended.	i be entered and an e.	хріапацоп оі
 The affidavit or other evidence filed after a final action, but because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e). 			
9. The affidavit or other evidence filed after the date of filing a entered because the affidavit or other evidence failed to of showing a good and sufficient reasons why it is necessary	vercome <u>all</u> rejections under appea	al and/or appellant fail:	s to provide a
10. ☐ The affidavit or other evidence is entered. An explanation REQUEST FOR RECONSIDERATION/OTHER	n of the status of the claims after e	ntry is below or attach	ed.
 The request for reconsideration has been considered but See Continuation Sheet. 	t does NOT place the application in	n condition for allowan	ce because:
12. ☐ Note the attached Information <i>Disclosure Statement</i> (s). (13. ☐ Other:	PTO/SB/08) Paper No(s)		
/Narayan K. Bhat/ Examiner, Art Unit 1634	/BJ Forman/ Primary Examiner, Art U	Init 1634	

Continuation of 11. does NOT place the application in condition for allowance because Applicant's amendments to claim 24 requiring counter electrodes disposed in the reaction region, each of the counter electrodes having a first surface facing the reaction region and floating-potential electrodes dispersed in a matrix layout between the counter electrodes, each of the floating-potential electrodes having a second surface facing the reaction region wherein the second surface is narrower than the first surface would also require further search and considerations. Furthermore, Applicant's amendments to claims 8 and 18 requiring the energized scanning electrode and a second scanning electrode adjacent to the energized scanning electrode are bridged by nucleotide probes immobilized between the energized scanning electrode and the second scanning electrode would require further search and considerations. Therefore, amendments to the claims are not entered.

Claim rejections under USC 102(e):

Applicant's arguments based on the amended claim 24 are moot because amendments to the claim 24 are not entered (See Remarks, pg. 11, last paragraph and pg. 12).

Claim rejections under USC 103(a):

Applicant's argues that "Zenhausen, Sato and Eichen alone or combined, fail to teach at least the adjacent electrodes being bridged by nucleotide probes" (Remarks, pg. 13, lines 16-17). This argument is not persuasive because as Applicants noted, Eichen teaches electrodes 104 and 105 are bridged by target 114 (Remarks, pg. 14, line 1).

Applicants argue that "Eichen does not teach electrodes 104 and 106 are adjacent electrodes" (Remarks, pg. 14, line 2). This argument is not persuasive for the following reasons.

Eichen et al explicitly teaches adjacent electrodes. The instant specification does not provide limiting definition for the phrase 'adjacent electrode' so as to define the adjacent electrode over the electrode illustrated by Eichen. Absent limiting definition, claims are given broadest reasonable interpretation and given the broadest reasonable interpretation, the opposing electrodes of Eichen et al are encompassed by the claimed adjacent electrodes.

Applicant argues that "Eichen et al cannot teach dielectrophoresis means for migrating the stretched nucleotide probes toward a pair of adjacent electrodes of the scanning electrodes by a non-uniform electric field generated by applying a voltage between the adjacent electrodes" (Remarks, pg. 14, paragraph 2). This argument is not persuasive because claim 3 is rejected using Zenhausen et al, Sato et al and Eichen et al. As described in the final office action, Zenhausen et al teaches dielectrophoretic means for migrating nucleotide probes, Sato et al teaches stretching probes and Eichen et al teaches bridging the nucleotide probes immobilized on the adjacent electrodes. Applicants have acknowledged that Eichen et al teaches target, i.e., nucleic acid probe bridges the adjacent electrodes (pg. 14, line 1). Furthermore, Applicants have not provided any support evidence for why the bridging nucleotide probes by another nucleic acid probe would not work. Since Zenhausen et al, Sato et al and Eichen et al teaches all the structural features of sensor chip recited in claim 3, Applicants arguments are not persuasive.

Applicants arguments based on the amended claims 8, 14, 18, 24 and their dependent claims are most because amendments to said claims are not entered (See Remarks, pgs. 15-17).

Double Patenting:

Non statutory obviousness-type double patenting rejections over claims of copending '940 and '977 applications are maintained. Applicants have not traversed the rejection.